

**Ohio Department of Natural Resources**  
**RARE NATIVE OHIO PLANTS**  
**Status List**

The attached list of Ohio endangered, threatened, potentially threatened, and presumed extirpated native plant taxa was determined by the Department of Natural Resources, Division of Natural Areas and Preserves with the advice and guidance of the Ohio Rare Plants Advisory Committee pursuant to Ohio Revised Code Chapter 1518. This list replaces the 2010-11 status list.

The list is divided into six phylogenetic groups: Lichens, Bryophytes, Pteridophytes, Gymnosperms, Dicotyledons, and Monocotyledons. Within each group, families and their associated taxa are arranged in alphabetic order. Taxonomy and nomenclature of vascular plants generally follow The Flora of North America (1993+) and/or Gleason and Cronquist (1991). Vascular taxa not included in either manual are followed by a specific reference. Taxonomy and nomenclature of the non-vascular plants follow Anderson, Crum and Buck (1990) and Anderson (1990) for bryophytes and Brodo, Sharnoff and Sharnoff (2001) for lichens. Valuable taxonomic references specific to Ohio include Snider and Andreas (1996) for bryophytes, Showman and Flenniken (2004) for lichens, and Cooperrider, Cusick and Kartesz (2001) for vascular plants. The columns marked OH and US indicate status of the taxon as assigned by the Division of Natural Areas and Preserves (Ohio Administrative Rules 1501:18-1-01 through 1501:18-2-05) and by the U.S. Fish & Wildlife Service.

The current list contains 97 presumed extirpated, 242 endangered, 162 threatened, and 113 potentially threatened taxa, plus 0 plant taxa with no assigned status. Only data from January 1, 1992 through December 31, 2011 were considered in assigning endangerment status based upon information in the Ohio Natural Heritage Database.

The first status list, issued in 1980, was largely based on preliminary lists of rare plant species compiled in the 1970s for the Ohio Biological Survey. Since 1980, the status lists have been updated biennially. This list became effective on **September 15, 2012** and will be revised again in **2014**.

Information on these 614 plants is contained in the Ohio Natural Heritage Database and is generally accessible for research or environmental review through the Ohio Natural Heritage Database Program. A data request form may be obtained by contacting the Database Program within the Division of Wildlife or visiting its web site. Upon request, the Division will also provide an alphabetic status list of rare Ohio plants.

## **OHIO STATUS DESIGNATION CRITERIA**

### **E      Endangered Species**

A native Ohio plant species may be designated endangered if, based on its known status in Ohio, one or more of the following criteria apply:

1. The species is a federal endangered species extant in Ohio.
2. The natural populations of the species in Ohio are limited to three or fewer occurrences.
3. The distribution of the natural populations of the species in Ohio is limited to a geographic area delineated by three or fewer U.S. Geological Survey 7.5 minute quadrangle maps.
4. The number of plants in all the natural populations of the species in Ohio is limited to one hundred or fewer individual, physically unconnected plants.

### **T      Threatened Species**

A native Ohio plant species may be designated threatened if, based on its known status in Ohio, one or more of the following criteria apply:

1. The species is a federal threatened species extant in Ohio but not on the state endangered species list.
2. The natural populations of the species in Ohio are limited to no less than four or more than 10 occurrences.
3. The distribution of the natural populations of the species in Ohio is limited to a geographic area delineated by no less than four or more than seven U.S. Geological Survey 7.5 minute quadrangle maps.

### **X      Presumed Extirpated Species**

A native Ohio plant species may be designated presumed extirpated when no natural populations of the species have been documented since 1992.

### **P      Potentially Threatened Species**

A native Ohio plant species may be designated potentially threatened if one or more of the following criteria apply:

1. The species is extant in Ohio and does not qualify as a state endangered or threatened species, but it is a proposed federal endangered or threatened species or a species listed in the *Federal Register* as under review for such proposal.
2. The natural populations of the species are imperiled to the extent that the species could conceivably become a threatened species in Ohio within the foreseeable future.
3. The natural populations of the species, even though they are not threatened in Ohio at the time of designation, are believed to be declining in abundance or vitality at a significant rate throughout all or large portions of the state.

### **A      Added Species**

A native Ohio plant species recently added to the rare plant inventory and sufficient information has not yet been obtained to determine the Ohio endangerment status.

## FEDERAL LISTED OHIO PLANT SPECIES

Ohio-selected scientific and common names are listed first. Federal-selected names are shown in parentheses if they differ from the names on the Ohio list.

E = Federal endangered

T = Federal threatened

Note: Lists and information about federal listed, proposed and candidate species can be obtained from the U.S. Fish & Wildlife Service web site at <http://endangered.fws.gov/wildlife.html>. At this time, there are no Ohio plants designated as either proposed for listing or on the federal candidate species list.

| US            | OH            |                        |  |
|---------------|---------------|------------------------|--|
| <u>Status</u> | <u>Status</u> | <u>Scientific Name</u> | <u>Common Name(s)</u>                                      |
| T             | E             | Aconitum noveboracense | Northern Monkshood<br>(Northern Wild Monkshood)            |
| T             | E             | Hymenoxys herbacea     | Lakeside Daisy   |
| T             | E             | Isotria medeoloides    | Small Whorled Pogonia                                      |
| T             | T             | Platanthera leucophaea | Prairie Fringed Orchid<br>(Eastern Prairie Fringed Orchid) |
| T             | E             | Spiraea virginiana     | Appalachian Spiraea<br>(Virginia Spiraea)                  |
| E             | E             | Trifolium stoloniferum | Running Buffalo Clover                                     |

## CITATIONS

- Anderson, L.E., H.A. Crum and W.R. Buck. 1990. List of the Mosses of North America North of Mexico. *The Bryologist* 93(4):448-499.
- Brodo, I.M., S.D. Sharnoff and S. Sharnoff. 2001. Lichens of North America. Yale University Press, New Haven, CT. 795 pp.
- Cooperrider, T.S., A.W. Cusick and J.T. Kartesz. 2001. Seventh Catalog of the Vascular Plants of Ohio. The Ohio State University Press, Columbus, OH. 195 pp.
- Dietrich, W., W.L. Wagner and P.H. Raven. 1997. Systematics of *Oenothera* section *Oenothera* subsection *Oenothera* (Onagraceae). *Systematic Botany Monographs* 50:1-234.
- Fernald, M.L. 1950. Gray's manual of botany. Eighth ed. American Book Co., New York, NY. 1,632 pp.
- Flora of North America Editorial Committee, eds. 1993+. Flora of North America North of Mexico. Oxford University Press, New York and Oxford.
- Gleason, H.A. and A. Cronquist. 1991. Manual of vascular plants of the northeastern United States and adjacent Canada. Second ed. The New York Botanical Garden, Bronx, NY. 910 pp.
- Radford, A.E., H.E. Ahles and C.R. Bell. 1968. Manual of the vascular flora of the Carolinas. The University of North Carolina Press, Chapel Hill, NC. 1,183 pp.
- Sewell, M. and M.A. Vincent. 2006. Biosystematics of the *Phacelia ranunculacea* complex (Hydrophyllaceae). *Castanea* 71:192-209.
- Showman, R.E. and D.G. Flenniken. 2004. The Macrolichens of Ohio. *Ohio Biological Survey Bulletin* New Series Vol. 14 No. 3. iv + 279 pp.
- Snider, J.A. and B.K. Andreas. 1996. A Catalog and Atlas of the Mosses of Ohio. *Ohio Biological Survey*, Misc. Contribution No. 2 iv + 105 pp.
- Voss, E.G. and A.A. Reznicek. 2012. Field Manual of Michigan Flora. U. of Michigan Press, Ann Arbor, MI.

**Ohio Department of Natural Resources**  
**RARE NATIVE OHIO PLANTS**  
**2012-13 STATUS LIST**

Status  
OH US

**Lichens**

**COLLEMATACEAE**

|  |   |
|--|---|
| Collema bachmanianum, Bachman's Jelly Lichen ..... | E |
| Collema coccophorum, Tar Jelly Lichen .....        | E |
| Collema conglomeratum, Dotted Jelly Lichen .....   | E |
| Collema crispum, Crinkled Jelly Lichen .....       | X |
| Collema fuscovirens, Dusky Jelly Lichen .....      | E |

**ICMADOPHILACEAE**

|  |   |
|--|---|
| Dibaeis absoluta, Pink Dot Lichen..... | T |
|--|---|

**LOBARIACEAE**

|  |   |
|--|---|
| Sticta beauvoisii, Fringed Moon Lichen ..... | X |
|--|---|

**PARMELIACEAE**

|  |   |
|--|---|
| Canoparmelia amabilis, Obed Shield Lichen.....                   | E |
| Canoparmelia carolinia, Carolina Shield Lichen .....             | E |
| Parmotrema madagascariaceum, Madagascar Ruffle Lichen .....      | E |
| Punctelia perreticulata, Reticulate Speckled Shield Lichen ..... | E |

**PHYSCIACEAE**

|   |   |
|---|---|
| Phaeophyscia leana, Lea's Shadow Lichen ..... | E |
|---|---|

**RAMALINACEAE**

|  |   |
|--|---|
| Ramalina farinacea, Dotted Ramalina .....  | E |
| Ramalina intermedia, Rock Ramalina .....   | E |
| Ramalina pollinaria, Chalky Ramalina ..... | T |

**TELOSCHISTACEAE**

|  |   |
|--|---|
| Xanthoria elegans, Elegant Sunburst Lichen ..... | E |
|--|---|

**VERRUCARIACEAE**

|   |   |
|---|---|
| Placidium squamulosum, Brown Stipplescale ..... | E |
|---|---|

## Bryophytes

### AMBLYSTEGIACEAE

*Scorpidium scorpioides*, Turgid Brown Worm Moss .....

X

### ANDREAEACEAE

*Andreaea rupestris*, Black Rock Moss .....

X

### ANOMODONTACEAE

*Anomodon viticulosus*, Long Tail Moss.....

E

### BARTRAMIACEAE

*Philonotis fontana* var. *caespitosa*, Tufted Moisture-loving Moss .....

E

### BRACHYTHECIACEAE

*Tomentypnum nitens*, Fuzzy Hypnum Moss .....

E

### BRYACEAE

*Anomobryum filiforme*, Common Silver Moss.....

E

*Pohlia elongata*, Narrow-necked Pohl's Moss .....

E

### BUXBAUMIACEAE

*Buxbaumia aphylla*, Bug-on-a-stick .....

T

*Buxbaumia minakatae*, Ethereal Elf Cap Moss .....

X

*Diphyscium mucronifolium*, Cumberland Grain O' Wheat Moss.....

X

### FISSIDENTACEAE

*Fissidens hyalinus*, Filmy Fissidens.....

E

### FONTINALACEAE

*Dichelyma capillaceum*, Awned Dichelyma Moss .....

E

### HYLOCOMIACEAE –Feathermoss Family

*Hylocomium splendens*, Mountain-fern Moss.....

X

*Rhytidadelphus triquetrus*, Rough Goose Neck Moss .....

X

### HYPNACEAE

*Hypnum pratense*, Wrinkled-leaved Marsh Hypnum .....

E

### MNIACEAE – Mniaceae Family

*Plagiomnium drummondii*, Drummond's Plagiomnium Moss.....

X

### NECKERACEAE –Neckera Family

*Neckera pennata*, Neckera Moss .....

X

|  |   |   |
|--|---|---|
| PLAGIOTHECIACEAE   |   |   |
| <i>Plagiothecium latebricola</i> , Lurking Leskea .....            |   | T |
| POTTIACEAE   |   |   |
| <i>Barbula indica</i> , Twisted Teeth Moss .....                   | E |   |
| <i>Tortella inclinata</i> , Curved Tortella.....                   | E |   |
| <i>Weissia sharpii</i> , Sharp's Green-cushioned Moss.....         | E |   |
| PTYCHOMITRIACEAE   |   |   |
| <i>Campylostelium saxicola</i> , Rock-loving Swan-necked Moss..... | E |   |
| <i>Ptychomitrium drummondii</i> , Drummond's Ptychomitrium .....   | X |   |
| SPHAGNACEAE  |   |   |
| <i>Sphagnum bartlettianum</i> , Bartlett's Peat Moss.....          | X |   |
| <i>Sphagnum riparium</i> , Shore-growing Peat Moss .....           | E |   |
| THUIDIACEAE  |   |   |
| <i>Thuidium allenii</i> , Allen's Fern Moss .....                  | E |   |

## Pteridophytes

|  |   |  |
|--|---|--|
| ASPLENIACEAE – Spleenwort Family   |   |  |
| <i>Asplenium bradleyi</i> , Bradley's Spleenwort .....                       | E |  |
| <i>Asplenium resiliens</i> , Black-stemmed Spleenwort .....                  | X |  |
| <i>Asplenium ruta-muraria</i> , Wall-rue.....                                | T |  |
| DENNSTAEDTIACEAE – Bracken Family  |   |  |
| <i>Pteridium aquilinum</i> var. <i>pseudocaudatum</i> , Tailed Bracken ..... | E |  |
| DRYOPTERIDACEAE – Wood Fern Family   |   |  |
| <i>Cystopteris fragilis</i> , Brittle Fern .....                             | X |  |
| <i>Cystopteris tennesseensis</i> , Tennessee Bladder Fern .....              | P |  |
| <i>Dryopteris celsa</i> , Log Fern.....                                      | E |  |
| <i>Dryopteris clintoniana</i> , Clinton's Wood Fern.....                     | E |  |
| <i>Dryopteris filix-mas</i> , Male Fern .....                                | E |  |
| <i>Gymnocarpium appalachianum</i> , Appalachian Oak Fern .....               | X |  |
| <i>Gymnocarpium dryopteris</i> , Common Oak Fern .....                       | E |  |
| <i>Woodsia ilvensis</i> , Rusty Woodsia.....                                 | X |  |
| EQUISETACEAE – Horsetail Family  |   |  |
| <i>Equisetum sylvaticum</i> , Woodland Horsetail.....                        | P |  |
| <i>Equisetum variegatum</i> , Variegated Scouring-rush .....                 | E |  |
| HYMENOPHYLLACEAE – Filmy Fern Family   |   |  |

|   |   |
|---|---|
| Trichomanes boschianum, Appalachian Filmy Fern .....                              | E |
| ISOETACEAE – Quillwort Family   |   |
| Isoetes echinospora, Spiny-spored Quillwort .....                                 | X |
| Isoetes engelmannii, Appalachian Quillwort.....                                   | E |
| LYCOPODIACEAE – Club-moss Family  |   |
| Huperzia appalachiana, Appalachian Club-moss .....                                | X |
| Lycopodiella appressa, Southern Bog Club-moss .....                               | E |
| Lycopodiella subappressa, Northern Appressed Club-moss .....                      | E |
| Lycopodium lagopus, One-coned Club-moss.....                                      | T |
| OPHIOGLOSSACEAE – Adder’s-tongue Family   |   |
| Botrychium biternatum, Sparse-lobed Grape Fern .....                              | E |
| Botrychium lanceolatum, Triangle Grape Fern .....                                 | T |
| Botrychium multifidum, Leathery Grape Fern .....                                  | E |
| Botrychium simplex, Least Grape Fern .....  | E |
| Ophioglossum engelmannii, Limestone Adder’s-tongue .....                          | E |
| Ophioglossum pusillum, Northern Adder’s-tongue.....                               | E |
| POLYPODIACEAE – Polypody Family   |   |
| Pleopeltis polypodioides (Polypodium polypodioides),<br>Little Gray Polypody..... | T |
| SELAGINELLACEAE – Selaginella Family  |   |
| Selaginella eclipses, Midwest Spike-moss .....                                    | T |
| Selaginella rupestris, Rock Spike-moss .....                                      | X |
| THELYPTERIDACEAE – Marsh Fern Family  |   |
| Phegopteris connectilis (Thelypteris phegopteris), Long Beech Fern .....          | P |

## Gymnosperms

|   |   |
|---|---|
| CUPRESSACEAE – Cypress Family           |   |
| Juniperus communis, Ground Juniper..... | E |
| Thuja occidentalis, Arbor Vitae.....    | P |
| PINACEAE – Pine Family                  |   |
| Larix laricina, Tamarack.....           | P |

## Angiosperms - Dicotyledons

|                          |
|--------------------------|
| ACERACEAE – Maple Family |
|--------------------------|

|   |   |
|---|---|
| Acer pensylvanicum, Striped Maple.....                                  | E |
| AMARANTHACEAE – Amaranth Family   |   |
| Froelichia floridana, Common Cottonweed.....                            | E |
| ANACARDIACEAE – Cashew Family   |   |
| Rhus aromatica var. arenaria, Beach Sumac.....                          | X |
| Toxicodendron rydbergii, Northern Poison-ivy.....                       | E |
| APIACEAE – Carrot Family  |   |
| Eryngium yuccifolium, Rattlesnake-master.....                           | P |
| Hydrocotyle umbellata, Navelwort.....                                   | E |
| Ligusticum canadense, American Lovage .....                             | E |
| Perideridia americana, Perideridia .....                                | X |
| ARALIACEAE – Ginseng Family   |   |
| Aralia hispida, Bristly Sarsaparilla .....                              | E |
| ASCLEPIADACEAE – Milkweed Family  |   |
| Asclepias amplexicaulis, Blunt-leaved Milkweed .....                    | P |
| Asclepias variegata, White Milkweed .....                               | P |
| ASTERACEAE – Aster Family   |   |
| Ageratina aromatica (Eupatorium aromaticum), Small White Snakeroot..    | E |
| Antennaria virginica, Shale Barren Pussy-toes.....                      | T |
| Arnoglossum plantagineum (Cacalia plantaginea), Fen Indian-plantain.... | P |
| Artemisia campestris, Beach Wormwood.....                               | T |
| Bidens beckii (Megalodonta beckii), Water-marigold.....                 | X |
| Chrysogonum virginianum, Golden-knees .....                             | T |
| Cirsium carolinianum, Carolina Thistle.....                             | T |
| Conyza ramosissima, Bushy Horseweed .....                               | P |
| Eupatorium album, White Thoroughwort.....                               | T |
| Eupatorium godfreyanum, Godfrey's Thoroughwort .....                    | E |
| Eupatorium hyssopifolium, Hyssop Thoroughwort.....                      | E |
| Eurybia surculosa (Aster surculosus), Creeping Aster .....              | E |
| Euthamia remota, Great Lakes Goldenrod.....                             | T |
| Fleischmannia incarnata (Eupatorium incarnatum), Pink Thoroughwort...   | P |
| Helianthus mollis, Ashy Sunflower .....                                 | T |
| Hieracium longipilum, Long-bearded Hawkweed.....                        | E |
| Hieracium umbellatum (H. canadense), Canada Hawkweed.....               | T |
| Krigia dandelion, Potato-dandelion .....                                | T |
| Krigia virginica, Virginia Dwarf-dandelion .....                        | T |
| Lactuca hirsuta, Hairy Tall Lettuce .....                               | T |
| Liatris cylindracea, Slender Blazing-star .....                         | T |
| Liatris squarrosa, Scaly Blazing-star .....                             | P |
| Oclemena acuminata (Aster acuminatus), Mountain Aster .....             | X |

|   |   |
|---|---|
| Packera paupercula (Senecio pauperculus), Balsam Squaw-weed .....       | T |
| Pityopsis graminifolia (Chrysopsis graminifolia), Silk-grass .....      | E |
| Pluchea camphorata, Camphor-weed.....                                   | E |
| Prenanthes aspera, Rough Rattlesnake-root.....                          | E |
| Prenanthes racemosa, Prairie Rattlesnake-root.....                      | P |
| Prenanthes trifoliolata, Gall-of-the-earth .....                        | E |
| Pseudognaphalium macounii (Gnaphalium viscosum), Winged Cudweed         | E |
| Sericocarpus linifolius (Aster solidagineus), Narrow-leaved Aster ..... | T |
| Silphium laciniatum, Compass-plant .....                                | E |
| Solidago arguta, Cut-leaved Goldenrod.....                              | X |
| Solidago odora, Sweet Goldenrod .....                                   | T |
| Solidago ptarmicoides, White Upland Goldenrod .....                     | X |
| Solidago puberula, Dusty Goldenrod.....                                 | E |
| Solidago speciosa, Showy Goldenrod.....                                 | T |
| Solidago sphacelata, False Goldenrod .....                              | E |
| Solidago squarrosa, Leafy Goldenrod.....                                | T |
| Symphyotrichum drummondii (Aster drummondii), Drummond's Aster..        | T |
| Symphyotrichum dumosum (Aster dumosus), Bushy Aster.....                | T |
| Symphyotrichum oblongifolium (Aster oblongifolius), Shale Barren Aster  | T |
| Tetraneuris herbacea (Hymenoxys herbacea), Lakeside Daisy .....         | E |
| Verbesina occidentalis, Yellow Crown-beard .....                        | E |
| Vernonia fasciculata, Prairie Ironweed .....                            | E |
| Vernonia missurica, Missouri Ironweed .....                             | E |
| Vernonia noveboracensis, New York Ironweed .....                        | X |
|   |   |
| <b>BETULACEAE – Birch Family</b>  |   |
| Betula pumila, Swamp Birch .....  | T |
| Corylus cornuta, Beaked Hazel.....                                      | X |
|   |   |
| <b>BORAGINACEAE – Borage Family</b>                                     |   |
| Cynoglossum virginianum var. boreale, Northern Wild Comfrey .....       | X |
| Hackelia deflexa, Northern Stickseed.....                               | X |
| Lithospermum caroliniense (L. croceum), Plains Puccoon .....            | T |
|   |   |
| <b>BRASSICACEAE – Mustard Family</b>                                    |   |
| Arabidopsis lyrata, Lyre-leaved Rock Cress .....                        | E |
| Arabis hirsuta var. adpressipilis, Southern Hairy Rock Cress .....      | P |
| Arabis hirsuta var. pycnocarpa, Western Hairy Rock Cress.....           | X |
| Arabis patens, Spreading Rock Cress .....                               | E |
| Boechera grahamii, Limestone Rock Cress .....                           | X |
| Boechera missouriensis, Missouri Rock Cress .....                       | E |
| Boechera stricta, Drummond's Rock Cress .....                           | E |
| Cardamine dissecta, Narrow-leaved Toothwort .....                       | P |
| Cardamine pratensis var. palustris, American Cuckoo-flower .....        | X |
| Descurainia pinnata, Tansy Mustard.....                                 | P |
| Draba brachycarpa, Little Whitlow-grass .....                           | E |

|  |   |
|--|---|
| Draba cuneifolia, Wedge-leaved Whitlow-grass .....           | T |
| Draba reptans, Carolina Whitlow-grass .....                  | T |
| Erysimum capitatum (E. arkansanum), Western Wallflower ..... | E |
| Leavenworthia uniflora, Michaux's Leavenworthia.....         | T |
| Rorippa aquatica, Lake Cress .....                           | T |
| <br>CACTACEAE – Cactus Family                                |   |
| Opuntia humifusa, Common Prickly Pear .....                  | P |
| <br>CALLITRICHACEAE – Water-starwort Family                  |   |
| Callitricha verna (C. palustris), Vernal Water-starwort..... | T |
| <br>CALYCANTHACEAE – Strawberry-shrub Family                 |   |
| Calycanthus floridus, Sweet-shrub .....                      | X |
| <br>CAMPANULACEAE – Bellflower Family                        |   |
| Campanula rotundifolia, Harebell.....                        | T |

|   |   |  |
|---|---|--|
| CAPRIFOLIACEAE – Honeysuckle Family                                       |   |  |
| Linnaea borealis, American Twinflower .....                               | X |  |
| Lonicera flava, Pale Yellow Honeysuckle.....                              | X |  |
| Lonicera oblongifolia, Swamp Fly Honeysuckle.....                         | X |  |
| Lonicera villosa (L. caerulea var. villosa), Mountain Fly Honeysuckle.... | X |  |
| Symphoricarpos albus var. albus, Snowberry.....                           | X |  |
| Viburnum alnifolium, Hobblebush .....                                     | T |  |
| Viburnum molle, Soft-leaved Arrow-wood .....                              | T |  |
| Viburnum opulus var. americanum, Highbush-cranberry .....                 | T |  |
| Viburnum rufidulum, Southern Black-haw .....                              | P |  |
| CARYOPHYLLACEAE – Pink Family   |   |  |
| Minuartia michauxii (Arenaria stricta), Rock Sandwort.....                | P |  |
| Minuartia patula (Arenaria patula), Spreading Sandwort .....              | E |  |
| Moehringia lateriflora (Arenaria lateriflora), Grove Sandwort .....       | P |  |
| Sagina decumbens, Southern Pearlwort.....                                 | E |  |
| Silene caroliniana ssp. pensylvanica, Carolina Catchfly .....             | T |  |
| Silene caroliniana ssp. wherryi, Wherry's Catchfly .....                  | T |  |
| Silene nivea, Snowy Campion .....   | E |  |
| Silene regia, Royal Catchfly .....  | T |  |
| CELASTRACEAE – Staff-tree Family  |   |  |
| Paxistima canbyi, Cliff-green .....                                       | E |  |
| CHENOPodiACEAE – Goosefoot Family   |   |  |
| Chenopodium capitatum, Strawberry-blite.....                              | X |  |
| CISTACEAE – Rockrose Family   |   |  |
| Helianthemum bicknellii, Plains Frostweed .....                           | P |  |
| Helianthemum canadense, Canada Frostweed.....                             | T |  |
| Hudsonia tomentosa, Beach-heather.....                                    | X |  |
| Lechea intermedia, Round-fruited Pinweed .....                            | P |  |
| Lechea minor, Thyme-leaved Pinweed.....                                   | T |  |
| Lechea pulchella, Leggett's Pinweed .....                                 | T |  |
| Lechea tenuifolia, Narrow-leaved Pinweed .....                            | P |  |
| Lechea villosa (L. mucronata), Hairy Pinweed .....                        | P |  |
| CLUSIACEAE – Mangosteen Family  |   |  |
| Hypericum boreale, Northern St. John's-wort.....                          | T |  |
| Hypericum canadense, Canada St. John's-wort.....                          | E |  |
| Hypericum denticulatum, Coppery St. John's-wort .....                     | E |  |
| Hypericum ellipticum, Few-flowered St. John's-wort .....                  | T |  |
| Hypericum gymnanthum, Least St. John's-wort .....                         | E |  |
| Hypericum kalmianum, Kalm's St. John's-wort .....                         | T |  |
| Triadenum tubulosum, Large Marsh St. John's-wort .....                    | T |  |
| Triadenum walteri, Walter's St. John's-wort.....                          | T |  |

|   |   |  |
|---|---|--|
| CORNACEAE – Dogwood Family  |   |  |
| <i>Cornus canadensis</i> , Bunchberry .....   | E |  |
| <i>Cornus rugosa</i> , Round-leaved Dogwood .....   | P |  |
| <br>CUSCUTACEAE – Dodder Family   |   |  |
| <i>Cuscuta compacta</i> , Sessile Dodder .....  | E |  |
| <i>Cuscuta coryli</i> , Hazel Dodder .....  | X |  |
| <i>Cuscuta cuspidata</i> , Cuspidate Dodder.....  | E |  |
| <i>Cuscuta glomerata</i> , Glomerate Dodder.....  | E |  |
| <i>Cuscuta indecora</i> , Pretty Dodder .....   | E |  |
| <i>Cuscuta pentagona</i> , Five-angled Dodder .....   | T |  |
| <br>DROSERACEAE – Sundew Family   |   |  |
| <i>Drosera intermedia</i> , Spathulate-leaved Sundew .....                                      | E |  |
| <br>ELAEAGNACEAE – Oleaster Family  |   |  |
| <i>Shepherdia canadensis</i> , Canada Buffalo-berry .....                                       | P |  |
| <br>ELATINACEAE – Waterwort Family  |   |  |
| <i>Elatine triandra</i> , Elatine .....   | X |  |
| <br>ERICACEAE – Heath Family  |   |  |
| <i>Andromeda polifolia</i> var. <i>latifolia</i> ( <i>A. glaucophylla</i> ), Bog-rosemary ..... | X |  |
| <i>Arctostaphylos uva-ursi</i> , Bearberry .....  | E |  |
| <i>Chamaedaphne calyculata</i> , Leather-leaf .....   | P |  |
| <i>Gaultheria hispida</i> , Creeping Snowberry.....   | X |  |
| <i>Ledum groenlandicum</i> , Labrador-tea.....  | E |  |
| <i>Lyonia ligustrina</i> , Male-berry .....   | X |  |
| <i>Rhododendron calendulaceum</i> , Flame Azalea.....   | E |  |
| <i>Rhododendron maximum</i> , Great Rhododendron.....   | T |  |
| <i>Rhododendron periclymenoides</i> , Pinxter-flower.....                                       | T |  |
| <i>Vaccinium myrtilloides</i> , Velvet-leaved Blueberry .....                                   | E |  |
| <i>Vaccinium oxycoccus</i> , Small Cranberry.....   | T |  |
| <br>EUPHORBIACEAE – Spurge Family   |   |  |
| <i>Croton glandulosus</i> , Northern Croton.....  | T |  |
| <i>Croton willdenowii</i> , Willdenow's Croton.....   | E |  |
| <i>Euphorbia polygonifolia</i> , Seaside Spurge.....  | P |  |
| <i>Euphorbia purpurea</i> , Glade Spurge.....   | E |  |
| <i>Euphorbia serpens</i> , Round-leaved Spurge .....  | E |  |
| <i>Phyllanthus caroliniensis</i> , Carolina Leaf-flower.....                                    | T |  |
| <br>FABACEAE – Pea or Bean Family   |   |  |
| <i>Astragalus canadensis</i> , Canada Milk-vetch .....  | T |  |
| <i>Astragalus neglectus</i> , Cooper's Milk-vetch .....   | E |  |

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|---|---|
| Baptisia australis, Blue False Indigo.....                | E |
| Baptisia lactea, Prairie False Indigo.....                | P |
| Clitoria mariana, Butterfly-pea .....                     | P |
| Dalea purpurea, Purple Prairie-clover.....                | X |
| Desmodium glabellum, Hairy Tick-trefoil .....             | E |
| Desmodium illinoense, Prairie Tick-trefoil .....          | X |
| Desmodium sessilifolium, Sessile Tick-trefoil .....       | T |
| Galactia volubilis, Milk-pea.....                         | P |
| Lathyrus japonicus (L. maritimus), Inland Beach Pea.....  | T |
| Lathyrus ochroleucus, Yellow Vetchling .....              | E |
| Lathyrus venosus, Wild Pea.....                           | E |
| Lupinus perennis, Wild Lupine.....                        | P |
| Orbexilum pedunculatum, False Scurf-pea.....              | P |
| Phaseolus polystachios, Wild Kidney Bean.....             | P |
| Trifolium reflexum, Buffalo Clover .....                  | E |
| Trifolium stoloniferum, Running Buffalo Clover.....       | E |
| FAGACEAE – Beech Family                                   |   |
| Quercus falcata, Spanish Oak .....                        | T |
| Quercus marilandica, Blackjack Oak.....                   | P |
| FUMARIACEAE – Fumitory Family                             |   |
| Adlumia fungosa, Mountain-fringe .....                    | T |
| Corydalis sempervirens, Rock-harlequin.....               | T |
| GENTIANACEAE – Gentian Family                             |   |
| Bartonia paniculata, Screw-stem .....                     | T |
| Gentiana alba (G. flava), Yellowish Gentian.....          | T |
| Gentiana puberulenta, Prairie Gentian.....                | E |
| Gentiana saponaria, Soapwort Gentian.....                 | E |
| Gentiana villosa, Sampson's Snakeroot.....                | E |
| Gentianopsis crinita, Fringed Gentian .....               | P |
| Gentianopsis procera, Small Fringed Gentian .....         | P |
| GERANIACEAE – Geranium Family                             |   |
| Geranium bicknellii, Bicknell's Crane's-bill.....         | E |
| GROSSULARIACEAE – Gooseberry Family                       |   |
| Ribes glandulosum, Skunk Currant .....                    | X |
| Ribes missouriense, Missouri Gooseberry.....              | T |
| Ribes triste, Swamp Red Currant.....                      | E |
| HALORAGACEAE – Water-milfoil Family                       |   |
| Myriophyllum heterophyllum, Two-leaved Water-milfoil..... | X |
| Myriophyllum sibiricum, American Water-milfoil .....      | E |
| Myriophyllum verticillatum, Green Water-milfoil .....     | X |

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|---|---|--|
| HYDROPHYLLACEAE – Waterleaf Family  |   |  |
| Phacelia bipinnatifida, Fern-leaved Scorpion-weed .....   | P |  |
| Phacelia dubia, Small-flowered Scorpion-weed .....  | E |  |
| Phacelia covillei, Blue Scorpion-weed .....   | E |  |
| LAMIACEAE – Mint Family   |   |  |
| Calamintha arkansana ( <i>Satureja glabella</i> var. <i>angustifolia</i> ),<br>Limestone Savory ..... | T |  |
| Collinsonia verticillata, Early Stoneroot.....  | E |  |
| Hedeoma hispida, Rough Pennyroyal.....  | P |  |
| Monarda punctata, Dotted Horsemint.....   | E |  |
| Pycnanthemum verticillatum var. <i>pilosum</i> , Hairy Mountain-mint.....                             | T |  |
| Scutellaria saxatilis, Rock Skullcap .....  | T |  |
| Trichostema dichotomum var. <i>lineare</i> ( <i>T. setaceum</i> ),<br>Narrow-leaved Bluecurls .....   | E |  |
| LENTIBULARIACEAE – Bladderwort Family   |   |  |
| Utricularia cornuta, Horned Bladderwort .....   | E |  |
| Utricularia geminiscapa, Two-scaped Bladderwort.....  | E |  |
| Utricularia intermedia, Flat-leaved Bladderwort .....   | T |  |
| Utricularia minor, Lesser Bladderwort .....   | T |  |
| MAGNOLIACEAE – Magnolia Family  |   |  |
| Magnolia macrophylla, Bigleaf Magnolia .....  | E |  |
| Magnolia tripetala, Umbrella Magnolia.....  | P |  |
| MALVACEAE – Mallow Family   |   |  |
| Sida hermaphrodita, Virginia-mallow .....   | P |  |
| MELASTOMATACEAE – Melastome Family  |   |  |
| Rhexia virginica, Virginia Meadow-beauty.....   | P |  |
| MENYANTHACEAE – Buckbean Family   |   |  |
| Menyanthes trifoliata, Buckbean .....   | T |  |
| MYRICACEAE – Bayberry Family  |   |  |
| Comptonia peregrina, Sweet-fern .....   | E |  |
| Myrica pensylvanica, Bayberry .....   | E |  |
| NYMPHAEACEAE – Water-lily Family  |   |  |
| Nuphar variegata, Bullhead-lily.....  | E |  |
| OLEACEAE – Olive Family   |   |  |
| Chionanthus virginicus, Fringe-tree.....  | P |  |
| ONAGRACEAE – Evening-primrose Family  |   |  |

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|---|---|
| Epilobium angustifolium, Fireweed.....  | E |
| Epilobium strictum, Simple Willow-herb.....   | T |
| Oenothera clelandii, Cleland's Evening-primrose.....  | E |
| Oenothera oakesiana (O. parviflora in part, see Dietrich et al. 1997),<br>Oakes' Evening-primrose ..... | P |
| <br>  |   |
| OROBANCHACEAE – Broom-rape Family   |   |
| Orobanche riparia, Louisiana Broom-rape .....   | E |
| <br>  |   |
| OXALIDACEAE – Wood-sorrel Family  |   |
| Oxalis montana (O. acetosella), White Wood-sorrel .....   | E |
| <br>  |   |
| PASSIFLORACEAE – Passion-flower Family  |   |
| Passiflora incarnata, Maypop.....   | P |
| <br>  |   |
| PLANTAGINACEAE – Plantain Family  |   |
| Plantago cordata, Heart-leaved Plantain .....   | E |
| Plantago patagonica, Woolly Plantain .....  | X |
| <br>  |   |
| PODOSTEMACEAE – Riverweed Family  |   |
| Podostemum ceratophyllum, Riverweed .....   | E |
| <br>  |   |
| POLEMONIACEAE – Phlox Family  |   |
| Phlox latifolia (P. ovata), Mountain Phlox .....  | E |
| <br>  |   |
| POLYGALACEAE – Milkwort Family  |   |
| Polygala cruciata, Cross-leaved Milkwort.....   | E |
| Polygala curtissii, Curtiss' Milkwort .....   | E |
| Polygala incarnata, Pink Milkwort .....   | E |
| Polygala paucifolia, Gay-wings .....  | E |
| Polygala polygama, Racemed Milkwort.....  | T |
| <br>  |   |
| POLYGONACEAE – Smartweed Family   |   |
| Fallopia cilinodis (Polygonum cilinode), Mountain Bindweed.....   | E |
| Persicaria careyi (Polygonum careyi), Carey's Smartweed.....  | X |
| Persicaria robustior (Polygonum robustius), Coarse Smartweed .....                                      | P |
| Persicaria setacea (Polygonum setaceum var. interjectum), Bristly Smartweed                             | E |
| <br>  |   |
| PRIMULACEAE – Primrose Family   |   |
| Androsace occidentalis, Western Rock-jasmine .....  | E |
| Centunculus minimus, Chaffweed .....  | X |
| Hottonia inflata, Featherfoil.....  | X |
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| PYROLACEAE – Shinleaf Family  |   |

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| <i>Chimaphila umbellata</i> , Pipsissewa.....  | T   |
| <i>Moneses uniflora</i> , One-flowered Wintergreen .....                             | X   |
| <i>Orthilia secunda</i> ( <i>Pyrola secunda</i> ), One-sided Wintergreen.....        | X   |
| <i>Pyrola chlorantha</i> , Green-flowered Wintergreen .....                          | E   |
| RANUNCULACEAE – Buttercup Family   |     |
| <i>Aconitum noveboracense</i> , Northern Monkshood .....                             | E T |
| <i>Aconitum uncinatum</i> , Southern Monkshood .....                                 | E   |
| <i>Actaea rubra</i> , Red Baneberry .....  | T   |
| <i>Anemone cylindrica</i> , Prairie Thimbleweed .....                                | T   |
| <i>Clematis occidentalis</i> , Purple Virgin's-bower .....                           | X   |
| <i>Delphinium exaltatum</i> , Tall Larkspur.....                                     | P   |
| <i>Ranunculus ambigens</i> , Water-plantain Spearwort.....                           | X   |
| <i>Ranunculus fascicularis</i> , Early Buttercup .....                               | T   |
| <i>Ranunculus pusillus</i> , Low Spearwort .....                                     | T   |
| <i>Trollius laxus</i> , Spreading Globeflower .....                                  | E   |
| RHAMNACEAE – Buckthorn Family  |     |
| <i>Ceanothus herbaceus</i> , Prairie Redroot .....                                   | X   |
| ROSACEAE – Rose Family   |     |
| <i>Amelanchier interior</i> , Inland Serviceberry .....                              | X   |
| <i>Amelanchier sanguinea</i> , Rock Serviceberry .....                               | T   |
| <i>Aronia arbutifolia</i> , Red Chokeberry .....                                     | E   |
| <i>Crataegus brainerdii</i> , Brainerd's Hawthorn .....                              | X   |
| <i>Crataegus uniflora</i> , Dwarf Hawthorn.....                                      | P   |
| <i>Dalibarda repens</i> , Robin-run-away .....                                       | E   |
| <i>Geum rivale</i> , Water Avens.....  | P   |
| <i>Porteranthus trifoliatus</i> , Bowman's-root.....                                 | T   |
| <i>Potentilla arguta</i> , Tall Cinquefoil.....                                      | E   |
| <i>Potentilla palustris</i> , Marsh Five-finger .....                                | P   |
| <i>Potentilla paradoxa</i> , Bushy Cinquefoil .....                                  | T   |
| <i>Prunus nigra</i> , Canada Plum.....   | E   |
| <i>Prunus pumila</i> var. <i>cuneata</i> ( <i>P. susquehanae</i> ), Sand Cherry..... | E   |
| <i>Prunus pumila</i> var. <i>pumila</i> , Great Lakes Sand Cherry.....               | X   |
| <i>Pyrus angustifolia</i> , Narrow-leaved Crabapple .....                            | X   |
| <i>Rosa arkansana</i> , Prairie Wild Rose .....                                      | X   |
| <i>Rosa blanda</i> , Smooth Rose .....   | P   |
| <i>Rubus trivialis</i> , Southern Dewberry.....                                      | E   |
| <i>Sorbus decora</i> , Western Mountain-ash .....                                    | E   |
| <i>Spiraea virginiana</i> , Appalachian Spiraea .....                                | E T |
| RUBIACEAE – Madder Family  |     |
| <i>Galium labradoricum</i> , Bog Bedstraw .....                                      | T   |
| <i>Galium palustre</i> , Marsh Bedstraw.....   | E   |
| <i>Spermacoce glabra</i> , Smooth Buttonweed .....                                   | P   |

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|---|---|---|
| SALICACEAE – Willow Family  |   |   |
| Populus balsamifera, Balsam Poplar.....   | E |   |
| Salix candida, Hoary Willow .....   | P |   |
| Salix caroliniana, Carolina Willow.....   | P |   |
| Salix myricoides, Blue-leaved Willow .....  | P |   |
| Salix pedicellaris, Bog Willow .....  | E |   |
| Salix petiolaris, Slender Willow .....  | T |   |
| Salix serissima, Autumn Willow .....  | P |   |
| SARRACENIACEAE – Pitcher-plant Family   |   | T |
| Sarracenia purpurea, Pitcher-plant.....   |   |   |
| SAXIFRAGACEAE – Saxifrage Family  |   |   |
| Heuchera longiflora, Long-flowered Alum-root.....                                     | T |   |
| Heuchera parviflora, Small-flowered Alum-root.....                                    | T |   |
| Heuchera villosa, Hairy Alum-root.....  | E |   |
| SCROPHULARIACEAE – Figwort Family   |   |   |
| Agalinis auriculata, Ear-leaved-foxglove .....  | E |   |
| Agalinis gattingeri, Gattinger's-foxglove .....                                       | T |   |
| Agalinis purpurea var. parviflora, Small Purple-foxglove.....                         | E |   |
| Agalinis skinneriana, Skinner's-foxglove.....   | E |   |
| Aureolaria pedicularia var. ambigens, Prairie Fern-leaved<br>False Foxglove .....     | E |   |
| Aureolaria pedicularia var. pedicularia, Woodland Fern-leaved<br>False Foxglove ..... | E |   |
| Besseya bullii, Kitten-tails .....  | X |   |
| Buchnera americana, Bluehearts.....   | T |   |
| Gratiola virginiana, Round-fruited Hedge-hyssop.....                                  | T |   |
| Gratiola viscidula, Short's Hedge-hyssop.....   | T |   |
| Linaria canadensis, Old-field Toadflax.....   | E |   |
| Melampyrum lineare, Cow-wheat .....   | T |   |
| Penstemon canescens, Gray Beard-tongue .....  | T |   |
| Penstemon pallidus, Downy White Beard-tongue .....                                    | T |   |
| Penstemon tubaeformis, White-wand Beard-tongue .....                                  | X |   |
| STYRACACEAE – Storax Family   |   |   |
| Halesia carolina (H. tetrapetala), Silver-bell .....                                  | X |   |
| Styrax grandifolius, Bigleaf Snowbell .....   | X |   |
| ULMACEAE – Elm Family   |   |   |
| Celtis laevigata, Sugarberry .....  | E |   |
| Ulmus thomasii, Rock Elm .....  | P |   |
| URTICACEAE – Nettle Family  |   |   |

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|--|---|
| Urtica chamaedryoides, Spring Nettle .....   | E |
| VALERIANACEAE – Valerian Family  |   |
| Valeriana ciliata (V. edulis var. ciliata), Prairie Valerian .....                       | E |
| Valeriana uliginosa, Swamp Valerian.....   | X |
| VIOLACEAE – Violet Family  |   |
| Viola lanceolata, Lance-leaved Violet.....   | P |
| Viola nephrophylla, Northern Bog Violet .....  | T |
| Viola pedata, Birdfoot Violet.....   | T |
| Viola pedatifida (V. palmata var. pedatifida), Prairie Violet.....                       | E |
| Viola primulifolia, Primrose-leaved Violet .....   | E |
| Viola tripartita var. glaberrima (see Radford et al. 1968),<br>Wedge-leaved Violet ..... | T |
| Viola tripartita var. tripartita (see Radford et al. 1968),<br>Three-parted Violet ..... | X |
| Viola walteri, Walter's Violet.....  | T |

### Angiosperms – Monocotyledons

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|---|---|
| ACORACEAE – Sweet Flag Family                             |   |
| Acorus americanus, American Sweet-flag.....               | P |
| AGAVACEAE – Agave Family                                  |   |
| Manfreda virginica (Agave virginica), American Aloe ..... | P |
| ALISMATACEAE – Water-plantain Family                      |   |
| Echinodorus berteroii (E. rostratus), Burhead .....       | T |
| Sagittaria cuneata, Wapato.....                           | T |
| Sagittaria graminea, Grass-leaved Arrowhead .....         | E |
| Sagittaria platyphylla, Elliptic-leaved Arrowhead.....    | X |
| Sagittaria rigida, Deer's-tongue Arrowhead .....          | P |
| ARACEAE – Arum Family                                     |   |
| Calla palustris, Wild Calla .....                         | P |
| CYPERACEAE – Sedge Family                                 |   |
| Carex alata, Broad-winged Sedge.....                      | P |
| Carex alboluteascens, Pale Straw Sedge .....              | P |
| Carex alopecoidea, Northern Fox Sedge .....               | E |
| Carex aquatilis, Leafy Tussock Sedge .....                | T |
| Carex arctata, Drooping Wood Sedge .....                  | E |
| Carex argyrantha, Silvery Sedge.....                      | T |
| Carex atherodes, Wheat Sedge .....                        | P |

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| Carex atlantica ssp. <i>capillacea</i> , Howe's Sedge .....                              | T |
| Carex aurea, Golden-fruited Sedge.....   | P |
| Carex bebbii, Bebb's Sedge.....  | P |
| Carex bicknellii, Bicknell's Sedge.....  | T |
| Carex brevior, Tufted Fescue Sedge .....   | P |
| Carex brunneascens, Brownish Sedge.....  | E |
| Carex bushii, Bush's Sedge .....   | T |
| Carex cephaloidea ( <i>C. sparganioides</i> var. <i>cephaloidea</i> ), Thin-leaved Sedge | P |
| Carex complanata, Flattened Sedge .....  | E |
| Carex conoidea, Field Sedge.....   | T |
| Carex crinita var. <i>brevicrinis</i> , Short-fringed Sedge .....                        | T |
| Carex crus-corvi, Raven-foot Sedge .....   | T |
| Carex cryptolepis, Little Yellow Sedge .....   | P |
| Carex decomposita, Cypress-knee Sedge .....  | E |
| Carex deweyana, Dewey's Sedge .....  | X |
| Carex diandra, Lesser Panicle Sedge .....  | T |
| Carex disperma, Two-seeded Sedge .....   | E |
| Carex echinata ( <i>C. cephalantha</i> ), Little Prickly Sedge .....                     | E |
| Carex flava, Yellow Sedge .....  | P |
| Carex formosa, Handsome Sedge .....  | E |
| Carex garberi, Garber's Sedge.....   | E |
| Carex gigantea, Large Sedge .....  | E |
| Carex gynandra, Nodding Sedge .....  | E |
| Carex haydenii, Hayden's Sedge .....   | X |
| Carex lasiocarpa, Slender Sedge .....  | P |
| Carex limosa, Mud Sedge .....  | E |
| Carex longii, Long's Sedge.....  | E |
| Carex louisianica, Louisiana Sedge .....   | E |
| Carex lucorum, Fire Sedge .....  | E |
| Carex lupuliformis, False Hop Sedge .....  | P |
| Carex merritt-fernaldii, Fernald's Sedge .....   | E |
| Carex mesochorea ( <i>C. cephalophora</i> var. <i>mesochorea</i> ), Midland Sedge ...    | T |
| Carex mitchelliana, Mitchell's Sedge .....   | E |
| Carex oligosperma, Few-seeded Sedge .....  | T |
| Carex pallescens, Pale Sedge.....  | P |
| Carex peckii, Peck's Sedge.....  | X |
| Carex projecta, Necklace Sedge .....   | T |
| Carex pseudocyperus, Northern Bearded Sedge.....   | E |
| Carex purpurifera, Purple Wood Sedge .....   | T |
| Carex retrorsa, Reflexed Bladder Sedge .....   | E |
| Carex reznicekii, Reznicek's Sedge.....  | E |
| Carex richardsonii, Richardson's Sedge .....   | X |
| Carex siccata, Hay Sedge.....  | E |
| Carex sprengelii, Sprengel's Sedge .....   | T |
| Carex straminea, Straw Sedge .....   | P |
| Carex striatula, Lined Sedge .....   | E |

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| Carex styloflexa, Lowland Wood Sedge .....  | X |
| Carex tenuiflora, Thin-flowered Sedge.....  | X |
| Carex timida, Timid Sedge .....   | T |
| Carex viridula, Little Green Sedge .....  | T |
| Cyperus acuminatus, Pale Umbrella-sedge.....  | P |
| Cyperus diandrus, Low Umbrella-sedge.....   | P |
| Cyperus lancastriensis, Many-flowered Umbrella-sedge .....                                      | E |
| Cyperus refractus, Reflected Umbrella-sedge .....   | E |
| Cyperus retrofractus, Rough Umbrella-sedge.....   | E |
| Cyperus schweinitzii, Schweinitz' Umbrella-sedge .....  | T |
| Eleocharis compressa, Flat-stemmed Spike-rush .....   | P |
| Eleocharis engelmannii, Engelmann's Spike-rush .....  | E |
| Eleocharis flavescens, Green Spike-rush .....   | T |
| Eleocharis geniculata (E. caribaea), Caribbean Spike-rush .....                                 | E |
| Eleocharis ovata, Ovate Spike-rush .....  | E |
| Eleocharis parvula, Least Spike-rush.....   | E |
| Eleocharis quinqueflora (E. pauciflora), Few-flowered Spike-rush .....                          | T |
| Eleocharis robbinsii, Robbins' Spike-rush .....   | E |
| Eleocharis tenuis, Slender Spike-rush.....  | T |
| Eleocharis wolfii, Wolf's Spike-rush.....   | E |
| Eriophorum gracile, Slender Cotton-grass.....   | X |
| Eriophorum virginicum, Tawny Cotton-grass .....   | T |
| Eriophorum viridicarinatum, Green Cotton-grass .....  | P |
| Lipocarpha drummondii (Hemicarpha micrantha var. aristulata),<br>Drummond's Dwarf Bulrush ..... | E |
| Lipocarpha micrantha (Hemicarpha micrantha var. micrantha),<br>Dwarf Bulrush.....               | T |
| Rhynchospora alba, White Beak-rush.....   | P |
| Rhynchospora recognita, Tall Grass-like Beak-rush .....   | E |
| Schoenoplectus americanus (Scirpus americanus),<br>Olney's Three-square.....                    | E |
| Schoenoplectus saximontanus, Rocky Mountain Bulrush.....  | E |
| Schoenoplectus smithii (Scirpus smithii), Smith's Bulrush .....                                 | T |
| Schoenoplectus subterminalis (Scirpus subterminalis),<br>Swaying-rush .....                     | E |
| Schoenoplectus torreyi (Scirpus torreyi), Torrey's Bulrush .....                                | E |
| Scirpus expansus, Woodland Bulrush.....   | P |
| Scleria oligantha, Tuberled Nut-rush .....  | P |
| Scleria pauciflora, Few-flowered Nut-rush.....  | P |
| Scleria triglomerata, Tall Nut-rush .....   | P |
| <br>ERIOCAULACEAE – Pipewort Family   |   |
| Eriocaulon aquaticum, White-buttons .....   | E |
| <br>IRIDACEAE – Iris Family   |   |
| Iris brevicaulis, Leafy Blue Flag.....  | T |

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| <i>Iris verna</i> , Dwarf Iris .....                                 | T |
| <i>Sisyrinchium atlanticum</i> , Atlantic Blue-eyed-grass .....      | E |
| <i>Sisyrinchium montanum</i> , Northern Blue-eyed-grass.....         | T |
| <i>Sisyrinchium mucronatum</i> , Narrow-leaved Blue-eyed-grass ..... | T |

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| JUNCACEAE – Rush Family  |   |
| Juncus alpinoarticulatus (J. alpinus), Alpine Rush .....                               | P |
| Juncus balticus (J. arcticus var. balticus), Baltic Rush .....                         | P |
| Juncus diffusissimus, Diffuse Rush .....   | T |
| Juncus greenei, Greene's Rush .....  | T |
| Juncus interior (J. tenuis in part), Inland Rush .....                                 | T |
| Juncus platyphyllus (J. tenuis in part), Flat-leaved Rush.....                         | E |
| Juncus secundus, One-sided Rush .....  | P |
| Juncus subcaudatus, Woodland Rush .....  | X |
| Luzula bulbosa, Southern Woodrush.....   | T |
| JUNCAGINACEAE – Arrow-grass Family   |   |
| Triglochin maritimum, Seaside Arrow-grass.....   | T |
| Triglochin palustris, Marsh Arrow-grass .....  | P |
| LEMNACEAE – Duckweed Family  |   |
| Wolffiella gladiata (W. floridana), Wolffia .....                                      | P |
| LILIACEAE – Lily Family  |   |
| Clintonia borealis, Bluebead-lily .....  | E |
| Clintonia umbellulata, Speckled Wood-lily.....   | T |
| Erythronium rostratum, Golden-star .....   | E |
| Lilium philadelphicum, Wood Lily .....   | E |
| Maianthemum trifolium (Smilacina trifolia),<br>Three-leaved False Solomon's-seal ..... | X |
| Melanthium virginicum, Bunchflower.....  | T |
| Melanthium woodii (Veratrum woodii), Wood's-hellebore .....                            | T |
| Nothoscordum bivalve, False Garlic.....  | T |
| Prosartes maculata (Disporum maculatum), Nodding Mandarin .....                        | T |
| Stenanthium gramineum, Feather-bells .....   | P |
| Streptopus lanceolatus (S. roseus), Rose Twisted-stalk.....                            | E |
| Triantha glutinosa (Tofieldia glutinosa), False Asphodel.....                          | P |
| Trillium cernuum, Nodding Trillium .....   | X |
| Trillium recurvatum, Prairie Wake-robin .....  | P |
| Trillium undulatum, Painted Trillium.....  | E |
| Zigadenus elegans, White Wand-lily .....   | P |
| NAJADACEAE – Water-nymph Family  |   |
| Najas gracillima, Thread-like Naiad .....  | E |
| ORCHIDACEAE – Orchid Family  |   |
| Arethusa bulbosa, Dragon's-mouth .....   | E |
| Calopogon tuberosus, Grass-pink .....  | T |
| Coeloglossum viride (Habenaria viridis), Long-bracted Orchid .....                     | E |
| Corallorrhiza maculata, Spotted Coral-root .....                                       | P |
| Corallorrhiza trifida, Early Coral-root .....  | E |

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| Corallorrhiza wisteriana, Spring Coral-root.....   | P   |
| Cypripedium candidum, White Lady's-slipper.....  | E   |
| Cypripedium parviflorum var. parviflorum ( <i>C. calceolus</i> var. <i>parviflorum</i> ),<br>Small Yellow Lady's-slipper ..... | E   |
| Cypripedium reginae, Showy Lady's-slipper .....  | T   |
| Goodyera tesselata, Checkered Rattlesnake-plantain .....   | X   |
| Hexalectris spicata, Crested Coral-root .....  | P   |
| Isotria medeoloides, Small Whorled Pogonia.....  | E T |
| Listera cordata, Heart-leaved Twayblade .....  | X   |
| Malaxis unifolia, Green Adder's-mouth .....  | P   |
| Platanthera aquilonis ( <i>P. hyperborea</i> in part),<br>Tall Northern Green Orchid.....                                      | X   |
| Platanthera blephariglottis ( <i>Habenaria blephariglottis</i> ),<br>White Fringed Orchid .....                                | E   |
| Platanthera ciliaris ( <i>Habenaria ciliaris</i> ), Yellow Fringed Orchid .....  | T   |
| Platanthera grandiflora ( <i>Habenaria psycodes</i> var. <i>grandiflora</i> ),<br>Large Purple Fringed Orchid .....            | X   |
| Platanthera hookeri ( <i>Habenaria hookeri</i> ), Hooker's Orchid .....  | X   |
| Platanthera leucophaea ( <i>Habenaria leucophaea</i> ),<br>Prairie Fringed Orchid .....  | T T |
| Platanthera psycodes ( <i>Habenaria psycodes</i> var. <i>psycodes</i> ),<br>Small Purple Fringed Orchid .....                  | P   |
| Pogonia ophioglossoides, Rose Pogonia.....   | T   |
| Spiranthes lucida, Shining Ladies'-tresses .....   | P   |
| Spiranthes magnicamporum, Great Plains Ladies'-tresses .....   | P   |
| Spiranthes romanzoffiana, Hooded Ladies'-tresses.....  | T   |
| Triphora trianthophora, Three-birds Orchid .....   | P   |

#### POACEAE – Grass Family

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|---|---|
| Agrostis elliotiana, Elliott's Bent Grass .....   | E |
| Ammophila breviligulata, American Beach Grass .....   | T |
| Andropogon glomeratus, Bushy Broom-sedge.....   | E |
| Aristida necopina ( <i>A. longespica</i> var. <i>geniculata</i> ), False Arrow-feather....                      | E |
| Aristida purpurascens, Purple Triple-awned Grass .....  | P |
| Bromus kalmii, Prairie Brome .....  | P |
| Calamagrostis porteri ssp. <i>insperata</i> , ( <i>C. insperata</i> ), Bartley's Reed Grass                     | T |
| Cinna latifolia, Northern Wood-reed .....   | E |
| Coleataenia longifolia ( <i>Panicum longifolium</i> var. <i>longifolium</i> ),<br>Long-leaved Panic Grass ..... | X |
| Deschampsia cespitosa, Tufted Hair Grass.....   | P |
| Deschampsia flexuosa, Crinkled Hair Grass .....   | P |
| Dichanthelium boreale ( <i>Panicum boreale</i> ), Northern Panic Grass .....                                    | P |
| Dichanthelium commonsianum ( <i>Panicum commonsianum</i> ),<br>Commons' Panic Grass.....                        | E |
| Dichanthelium leibergii ( <i>Panicum leibergii</i> ), Leiberg's Panic Grass .....                               | T |
| Dichanthelium lindheimeri ( <i>Panicum lindheimeri</i> ),   |   |

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| Lindheimer's Panic Grass .....   | T |
| Dichanthelium meridionale ( <i>Panicum meridionale</i> , <i>P. leucothrix</i> ),<br>Southern Hairy Panic Grass ..... | T |
| Dichanthelium perlongum ( <i>Panicum perlongum</i> ),<br>Long-panicled Panic Grass .....                             | E |
| Dichanthelium praecocius ( <i>Panicum praecocius</i> ),<br>Early Panic Grass .....                                   | E |
| Dichanthelium scoparium ( <i>Panicum scoparium</i> ), Velvet Panic Grass .....                                       | E |
| Dichanthelium spretum ( <i>Panicum spretum</i> ), Narrow-headed Panic Grass  | E |
| Dichanthelium villosissimum ( <i>Panicum villosissimum</i> ),<br>Villous Panic Grass.....                            | T |
| Dichanthelium yadkinense ( <i>Panicum yadkinense</i> ), Spotted Panic Grass ...                                      | P |
| Digitaria filiformis, Slender Finger Grass .....   | X |
| Elymus trachycaulus, Bearded Wheat Grass .....   | T |
| Glyceria acutiflora, Sharp-glumed Manna Grass.....   | P |
| Glyceria borealis, Northern Manna Grass .....  | X |
| Gymnopogon ambiguus, Beard Grass .....   | X |
| Hesperostipa spartea ( <i>Stipa spartea</i> ), Porcupine Grass.....  | E |
| Koeleria macrantha ( <i>K. pyramidata</i> ), June Grass .....  | E |
| Leersia lenticularis, Catchfly Grass .....   | E |
| Melica nitens, Three-flowered Melic.....   | T |
| Muhlenbergia capillaris, Hair Grass .....  | X |
| Muhlenbergia cuspidata, Plains Muhlenbergia.....   | E |
| Muhlenbergia glabrifloris, Hair Grass .....  | E |
| Oryzopsis asperifolia, Large-leaved Mountain-rice .....  | T |
| Panicum philadelphicum (sensu stricto, see Fernald 1950),<br>Philadelphia Panic Grass.....                           | E |
| Panicum tuckermanii ( <i>P. philadelphicum</i> in part, see Fernald, 1950),<br>Tuckerman's Panic Grass .....         | E |
| Paspalum repens ( <i>P. fluitans</i> ), Riverbank Paspalum .....   | T |
| Phragmites australis ssp. americanus, American Reed Grass.....   | P |
| Piptatherum racemosum ( <i>Oryzopsis racemosa</i> ), Mountain-rice.....  | P |
| Piptochaetium avenaceum, Black-seeded Needle Grass .....   | E |
| Poa saltuensis ssp. saltuensis, Pasture Blue Grass .....   | E |
| Poa saltuensis ssp. languida ( <i>Poa languida</i> ), Weak Spear Grass .....   | P |
| Poa wolfii, Wolf's Blue Grass .....  | E |
| Saccharum alopecuroides ( <i>Erianthus alopecuroides</i> ), Silver<br>Plume Grass .....                              | E |
| Schizachne purpurascens, False Melic .....   | T |
| Schizachyrium littorale ( <i>S. scoparium</i> var. <i>littoralis</i> ),<br>Coastal Little Bluestem.....              | E |
| Sphenopholis obtusata var. <i>obtusata</i> , Prairie Wedge Grass .....   | T |
| Sporobolus heterolepis, Prairie Dropseed.....  | T |
| Zizania aquatica, Wild Rice .....  | T |

#### PONTEDERIACEAE – Water-hyacinth Family

|  |   |
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| Heteranthera reniformis, Mud-plantain .....                            | E |
| POTAMOGETONACEAE – Pondweed Family                                     |   |
| Potamogeton friesii, Fries' Pondweed .....                             | X |
| Potamogeton gramineus, Grass-like Pondweed.....                        | E |
| Potamogeton hillii, Hill's Pondweed .....                              | E |
| Potamogeton natans, Floating Pondweed .....                            | P |
| Potamogeton perfoliatus, Red-headed Pondweed.....                      | X |
| Potamogeton praelongus, White-stemmed Pondweed.....                    | E |
| Potamogeton pulcher, Spotted Pondweed.....                             | T |
| Potamogeton richardsonii, Richardson's Pondweed.....                   | T |
| Potamogeton robbinsii, Robbins' Pondweed .....                         | E |
| Potamogeton spirillus, Spiral Pondweed .....                           | X |
| Potamogeton strictifolius, Straight-leaved Pondweed .....              | X |
| Potamogeton tennesseensis, Tennessee Pondweed .....                    | P |
| Potamogeton vaseyi, Vasey's Pondweed.....                              | X |
| Potamogeton zosteriformis, Flat-stemmed Pondweed.....                  | T |
| Stuckenia filiformis (Potamogeton filiformis), Filiform Pondweed ..... | X |
| SCHEUCHZERIACEAE – Scheuchzeria Family                                 |   |
| Scheuchzeria palustris, Scheuchzeria .....                             | E |
| SMILACACEAE – Catbrier Family  |   |
| Smilax pulverulenta, Downy Carrion-flower .....                        | E |

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| SPARGANIACEAE – Bur-reed Family                            |   |
| Sparganium androcladum, Keeled Bur-reed.....               | T |
| Sparganium emersum (S. chlorocarpum), Small Bur-reed ..... | E |
| XYRIDACEAE – Yellow-eyed-grass Family                      |   |
| Xyris difformis, Variable Yellow-eyed-grass.....           | E |
| Xyris torta, Twisted Yellow-eyed-grass .....               | T |